INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04R7/12 H04R31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H04R} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	PATENT ABSTRACTS OF JAPAN vol. 0113, no. 87 (E-566), 17 December 1987 (1987-12-17) -& JP 62 150997 A (MATSUSHITA ELECTRIC IND CO LTD), 4 July 1987 (1987-07-04) abstract; figures 1,2	1-7		
X	PATENT ABSTRACTS OF JAPAN vol. 0061, no. 28 (E-118), 14 July 1982 (1982-07-14) -& JP 57 053198 A (TOSHIBA CORP), 30 March 1982 (1982-03-30) abstract	1-7		

X Further documents are listed in the confinuation of box C.	χ Patent family members are listed in annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 	
Date of the actual completion of the international search 16 November 2004	Date of mailing of the international search report 23/11/2004	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Meiser, J	

INTERNATIONAL SEARCH REPORT

International Application No T/IB2004/051413

		T/IB2004/051413		
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		1	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.	7	
A	WO 96/14722 A (PHILIPS ELECTRONICS NV; PHILIPS NORDEN AB (SE)) 17 May 1996 (1996-05-17) cited in the application page 1, line 15 - page 3, line 3 page 4, line 25 - page 5, line 20 figure 1	1-7		
			Real Americans Cook	

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Information on patent family members

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JP 62150997	A	04-07-1987	NONE	_	
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